Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of RCC Drain At Vani Convent Road, Chikkasandra in Wrad No.12, Shettyhalli Sub Division.

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing B.S. Slab Drain & Stacking. Page No. 25/ Item No. 5.32/ PWD SR 2016-17								
		Sqm	2	277.00		1.35	747.90		
	Broken & Missing 70%						560.93		
							186.98	65.72	**12288.00**
	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
		65.72							
2	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2016-17								
	For RCC Drain	Cum	2	277.00	1.20	1.20	797.76		
			2	65.00	1.20	1.20	187.20		
							984.96		
	Deduct		2	277.00	0.45	0.45	112.19		
							872.78		
	For Slab Drain 5th Cross		1	148.00	0.90	0.90	119.88		
	Culverts		2	6.00	2.10	1.30	32.76		
							1025.42	86.92	**89129.00**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
		86.92							
3	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick Page No. 25/ Item No. 5.31.1/ PWD SR 2016-17								
	BS Slab Drain	Sqm	1	148.00		1.80	266.40		
	Available Stone Qty Vide Item No1						186.98		
							79.43	665.68	**52872.00**
	Basic Rate	628.00							
	Area Weightage @ 6%	37.68							
		665.68							
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 Page No.12/ Item No. 4.3/ PWD SR 2016-17								
		Cum	2	277.00	0.90	0.15	74.79		
			2	65.00	0.90	0.15	17.55		
	For Culverts		2	6.00	2.10	0.15	3.78		
							96.12	5159.02	**495885.00**
	Basic Rate	4867.00							

	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2016-17								
	Bed	Cum	2	277.00	0.90	0.10	49.86		
	Wall		2x2	277.00	0.15	0.90	149.58		
			2	65.00	0.90	0.10	11.70		
			2x2	65.00	0.15	0.90	35.10		
	For Side Walls		2x2	6.00	0.30	0.90	6.48		
							252.72		
	For Culvert covering	Cum	2	6.00	1.80	0.23	4.97		
							257.69	6371.66	**1641900.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17								
		Tonn		252.72	x	60kgs	15163.20		
	For Covering			4.97	x	80kgs	397.44		
							15560.64		
							say		
							15.56	59413.00	**924504.00**
	Basic Rate	56050.00							
	Area Weightage @ 6%	3,363.00							
	Total	**59413.00**							
7	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2016-17								
		Sqm	2x4	277.00		0.90	1994.40		
			2x4	65.00		0.90	468.00		
	For Culvert Wall		2x4	6.00		0.90	43.20		
	For Covering Slab Bottom		1x2	6.00		1.20	14.40		
							2520.00	310.58	**782662.00**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
		310.58							

8	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
		Sqm	2	277.00		0.90	498.60		
			2	65.00		0.90	117.00		
	Approved Rate of Precast slab	1600.00					**615.60**	1600.00	**984960.00**
9	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2016-17								
	Qty Vide Item No=1	Cum					**186.98**		
	Qty Limited to						**186.98**	77.60	**14509.00**
	(For 3 km = 3 x 1.28 x 2.5)	9.60							
	Loading and Unloading Charges	68.00							
		77.60							
10	Miscellaneous and unforseen Charges.								**1291.00**
								Total	**5000000.00**

(Rupees Fifty Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. JE/D/AS/PKT-28/16-17 ದಿನಾಂಕ : 13/1/17
ರೂ. 50-00 Lakhs (Rupees Fifty Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ. ಬೆಂಗಳೂರು.

ನಂ. CE/D2/TS/108/16-17 ದಿನಾಂಕ : 27/01/2017
ರೂ. 50.00 Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ [illegible] ನೀಡಿದೆ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, [illegible]

Name of Work: Construction of RCC Drain at Vani Convent Road, Chikkasandra in Ward No.12, in Shettyhalli Sub Division.

Asst Engineer
Ward No.12

Asst.Excutive Engineer,
Shettyhalli Sub Division.